



- Note:**
1. Simulated concentrations from fate and transport groundwater model compared to measured concentrations obtained in 2005/2006.
 2. Basemap from: "Remedial Investigation/ Feasibility Study Report Sauget Area 2", URS Corporation, St. Louis, Missouri, January 30, 2004.
 3. The residual value plotted is the difference between simulated and measured values. Positive residuals indicate model overestimation while negative residuals indicate model underestimation.

LEGEND

Well ID
Residual in mg/L

- | Model Under Predicts by | | Model Over Predicts by | |
|-------------------------|----------------|------------------------|----------------|
| ■ | > 2 mg/L | ■ | > 2 mg/L |
| ● | 1.5 - 2 mg/L | ● | 1.5 - 2 mg/L |
| ◆ | 1.0 - 1.5 mg/L | ◆ | 1 - 1.5 mg/L |
| ▲ | 0.5 - 1.0 mg/L | ▲ | 0.5 - 1 mg/L |
| + | up to 0.5 mg/L | + | up to 0.5 mg/L |



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Scale:	As Shown		FIGURE 72

**Spatial Correlation Between Simulated and Measured Concentrations
Tetrachloroethene: Deep Hydrogeologic Unit (Layer 3 in Model)**

REGIONAL GROUNDWATER FATE AND TRANSPORT MODEL
American Bottoms Aquifer